

User Manual



Foxit PDF IFilter 1.0

For Windows Desktop Search and Vista Search



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Anti-Grain Geometry - Version 2.3

Copyright (C) 2002-2005 Maxim Shemanarev (<http://www.antigrain.com>)

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Contents

FOXIT CORPORATION LICENSE AGREEMENT.....	4
Overview	12
Why PDF IFilter?	12
Why Foxit PDF IFilter?	12
How Foxit PDF IFilter works?.....	13
Key benefits	13
Getting Started.....	14
System requirements.....	14
Installing Foxit PDF IFilter	14
Updating Foxit PDF IFilter.....	15
Uninstalling Foxit PDF IFilter.....	15
Working with Foxit PDF IFilter	16
Working with Foxit PDF IFilter in Windows Vista	16
Indexing PDFs.....	16
Searching PDFs	18
More Help.....	19
Working with Foxit PDF IFilter in Windows XP and Other Operating Systems.....	20
Indexing PDFs.....	20
Searching PDFs	22
More Help.....	25
Additional Information	26
Microsoft Developer Support.....	26
Language Support.....	26
FAQ.....	27
Contact Us	29

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Overview

Welcome to Foxit PDF IFilter 1.0 -- a professional tool that helps you to index PDF files.

Foxit PDF IFilter is an application designed to help users to index a large amount of PDF documents and then quickly find text within these documents. The PDF documents can not only be files, but also email attachments or database records.

Foxit PDF IFilter supports PDF 1.7 specification and can be used in many Microsoft search engines, such as Windows Indexing Service, MSN Desktop Search, Internet Information Server, SharePoint Portal Server, Windows SharePoint Services (WSS), Site Server, Exchange Server, SQL Server and all other products based on Microsoft Search technology. With Foxit PDF IFilter, all these search engines can find PDF files with ease.

Why PDF IFilter?

PDF IFilter is necessary for several reasons listed below:

- Microsoft creates and maintains office file formats, such as .doc, .xls, .ppt, etc. However, many other file formats are created and maintained by other companies. For example, the PDF was created by Adobe.
- With the advantages of security, reliability and accessibility, PDF is now being used by more and more people all over the world.
- PDF IFilter is a plug-in that allows Microsoft search engines to index PDF files so that they become searchable. Without an appropriate PDF IFilter, contents of a PDF file cannot be indexed.

Why Foxit PDF IFilter?

Foxit PDF IFilter is favored by a large number of governments and well-known companies because of the following reasons:

- Foxit PDF IFilter helps to do a two-stage search – Index and Search, which makes finding information much easier.
- Foxit PDF IFilter supports multi-threading and makes full use of multi-CPU/core in a server.
- Foxit PDF IFilter supports native 64-bit code.
- Smaller and faster than other PDF IFilters.

- Supports Chinese/Japanese/Korean PDF documents.

How Foxit PDF IFilter works?

Foxit PDF IFilter acts as a plug-in for full-text search engines. A search engine usually works in two steps:

Step 1, the search engine goes through a designated place, e.g. a file folder or a database, and indexes all documents or newly modified documents, including PDF documents, in the background and creates internal data to store the indexing result.

Step 2, a user specifies some keywords he/she would like to search and the search engine answers the query immediately by looking up the indexing result and responds to the user with all the documents that contains the keywords.

During Step 1, the search engine itself doesn't understand the format of a PDF document. Therefore, it looks in windows registry for an appropriate PDF IFilter and finds the Foxit PDF IFilter. Foxit PDF IFilter understands the PDF. It filters out embedded formatting and extracts text from the document and returns text back to the search engine. Further information about the IFilter specification can be found on the [Microsoft Web site](#).

Key benefits

Below is a list of benefits that Foxit PDF IFilter brings to you:

- Integrates with existing operating systems and tools within your company.
- Provides an easy solution to search within PDF documents located on the local computer, local network, and/or intranet.
- Greatly increases your ability to accurately locate information.
- Much smaller and faster than PDF IFilters offered by other vendors.
- Supports Chinese/Japanese/Korean PDF documents.
- Supports native 64-bit code.
- Supports multi-threading and takes full use of multiple-CPU in a server.

Getting Started

This section provides everything you'll need to know about getting started with Foxit PDF IFilter, including its system requirements, installation, and uninstallation.

System requirements

Foxit PDF IFilter 1.0 requires one of the following environments:

- Microsoft Windows 2000 Professional
- Microsoft Windows 2000 Server
- Microsoft Windows 2003 Server
- Microsoft Windows XP Professional
- Microsoft Windows Vista

Each of these environments must also contain Microsoft Desktop Search.

Installing Foxit PDF IFilter

Foxit PDF IFilter has two versions respectively for 32-bit Windows and 64-bit Windows. You can choose one of them to install into your machine according to your system requirements. Before installing Foxit PDF IFilter, please make sure that Windows Desktop Search has been installed successfully.

To install Foxit PDF IFilter 1.0, please do the following:

- Download Foxit PDF IFilter from the Foxit Website (<http://www.foxitsoftware.com>) onto the machine where you wish to install it.
- Stop all appropriate clients.
- Uninstall any previous version of Foxit PDF IFilter.
- Double-click the downloaded Foxit PDF IFilter.msi file and follow the on-screen instructions.
- After installation completes, start all appropriate clients.

Notes:

1. *Foxit PDF IFilter appears in the list of programs on the Program Start Menu after installation.*
2. *Foxit PDF IFilter has no user interface.*
3. *The installation package will unzip a language file called fpdfcjk.bin into the installation folder, which will help you to index PDF documents containing Chinese/Japanese/Korean characters.*

Updating Foxit PDF IFilter

When updating Foxit PDF IFilter, you need to uninstall the old version of Foxit PDF IFilter to install the new one. You do not have to reboot your machine after update.

Generally speaking, Foxit PDF IFilter consists of a core layer and an installation layer. When you upgrade the installation layer, you do not need to re-do a full index. But when you upgrade the core layer, you can decide if you need to rebuild index on your computer according to the importance of the updates by checking what's new details on Foxit Official Website.

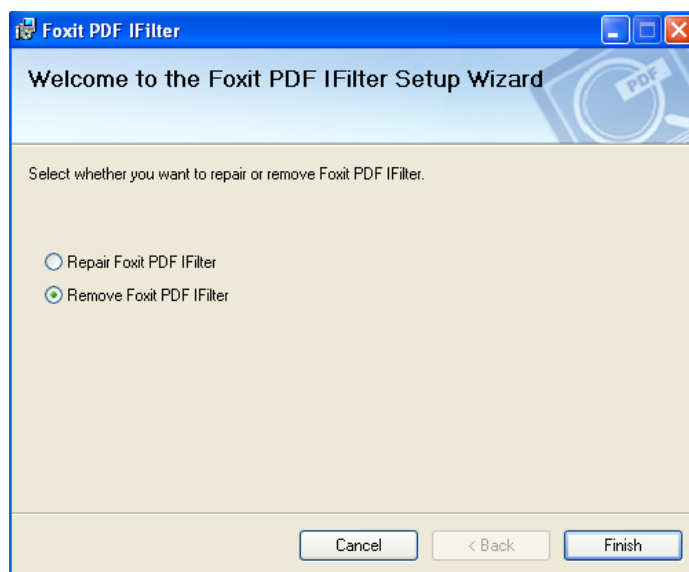
Uninstalling Foxit PDF IFilter

To uninstall Foxit PDF IFilter, please perform the following:

- Open the Start Menu and select "Control Panel".
- Click on the "Add or Remove Programs" tab.
- Click on the "Foxit PDF IFilter" record and then on the "Remove" button to uninstall it.

Or you can double-click the Foxit PDF IFilter.msi setup file that you have used to install Foxit PDF IFilter, and do the following:

- In the Foxit PDF IFilter dialog box, select Remove Foxit PDF IFilter.



- Click the Finish button to uninstall it completely.

Working with Foxit PDF IFilter

Foxit PDF IFilter is able to search text in PDF files, Email PDF attachments, and PDFs in Database Fields (BLOB), etc. After you install Foxit PDF IFilter, you should index all documents and re-build index data with Windows Desktop Search before you start a search.

Working with Foxit PDF IFilter maybe slightly different in Windows Vista and other operating systems. Windows Desktop Search is built into Windows Vista while you have to download and install it in other operating systems.

For Windows Vista, please [click here](#).

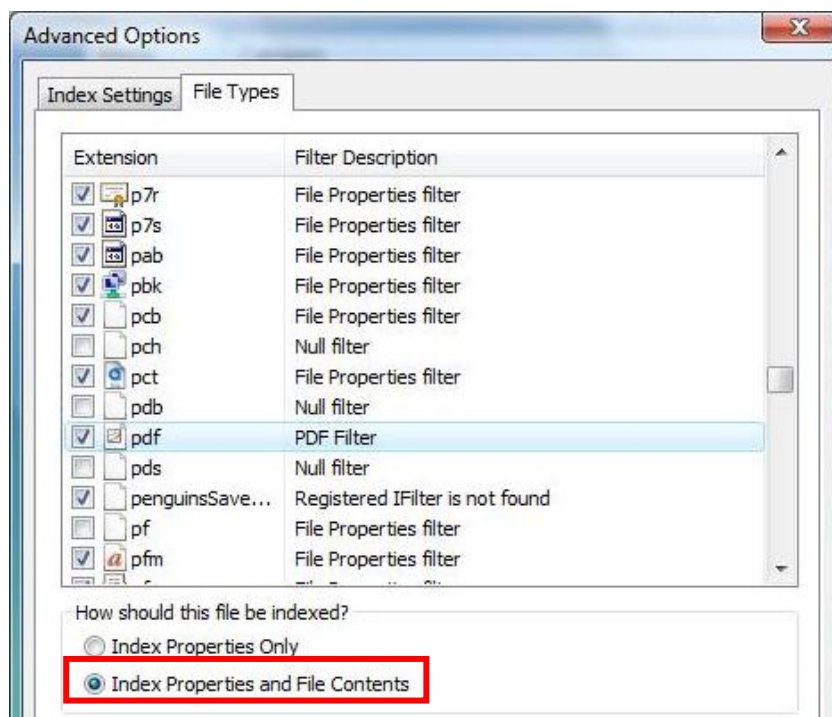
For Windows XP and other operating systems, please [click here](#).

Working with Foxit PDF IFilter in Windows Vista

You cannot install Windows Desktop Search on a computer that is running Windows Vista. WDS functionality is already built into Windows Vista.

Indexing PDFs

With Foxit PDF IFilter, you can index PDF properties and file contents. After installing Foxit PDF IFilter, please note that "Index Properties and File Contents" will be selected automatically in File Types tab of Advanced Options dialog box.



The Advanced Options dialog box with Foxit PDF IFilter

Note: Before installing the Foxit PDF IFilter, "Index Properties Only" is selected by default.

Setting index locations

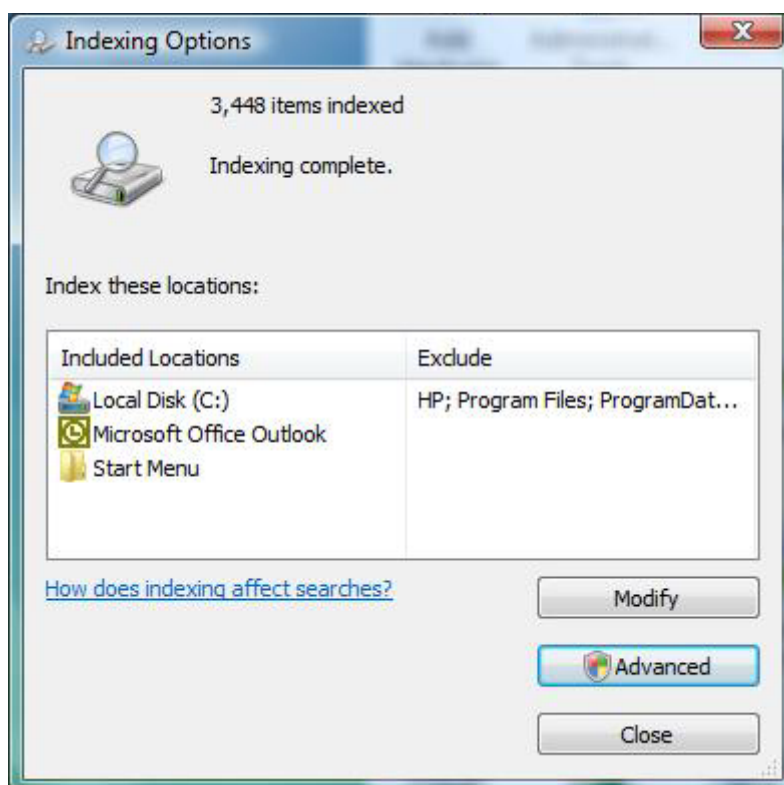
You can have Microsoft Windows Desktop Search index any locations that contain PDF files. Once the index is complete, Windows Desktop Search is able to use this index to find text in PDF files more rapidly than it would take to search through all the files on your computer.

To select the locations where PDF files exist and you want to search, do the following:

- Select Start > Control Panel > choose Indexing Options to navigate to the Indexing Options tool.
- Click the Modify button to add or subtract specific files and folders from the search index.
- In the Indexed Locations dialog box, select the locations that you want, and then click OK.

Indexing selected items

Once you select the locations and click OK, Windows Desktop Search will start the indexing task automatically.



Indexing complete

Notes:

1. If you just installed Foxit PDF IFilter or the IFilter has just been upgraded, you'll have to index all documents and rebuild index data.
2. Windows Desktop Search updates the index every time that you add or change a file or an e-mail message, because of which, you don't need to re-index PDF files unless the IFilter is reinstalled or updated.

Searching PDFs

After you finish indexing PDF files, you can start a search to find text within PDF files. Also, you can search PDF document properties, such as author, title, etc.

Note: Windows Desktop Search finds the indexed PDF files first when you select to search in My Computer. WDS does not find the indexed PDF files when you select to search in un-indexed folders.

To start a search, do the following:

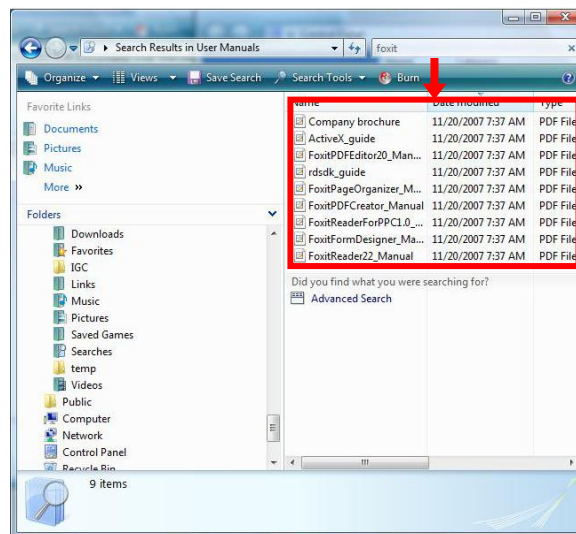
- Click to open a drive or a folder that contains the PDF file that you want to search.

- Type your search words in the search box at the top right corner of the window.



The search box

- Windows Desktop Results appear immediately as you type the search words.

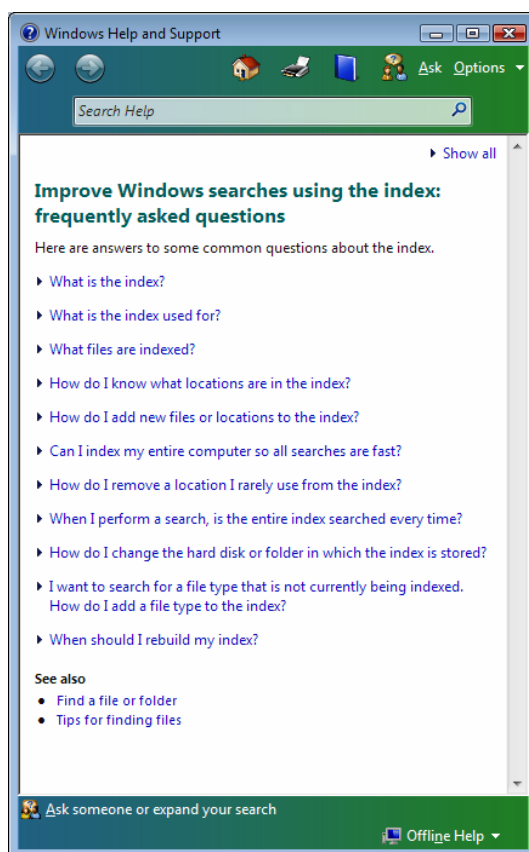


Search results

- Double-click one of the search results to open it with your default PDF Reader.

More Help

One other option available in the Indexing Options tool is the link "How does indexing affect searches." This link brings up the Windows Help and Support page regarding indexing. This help page presents basic information on the Windows Vista search index.

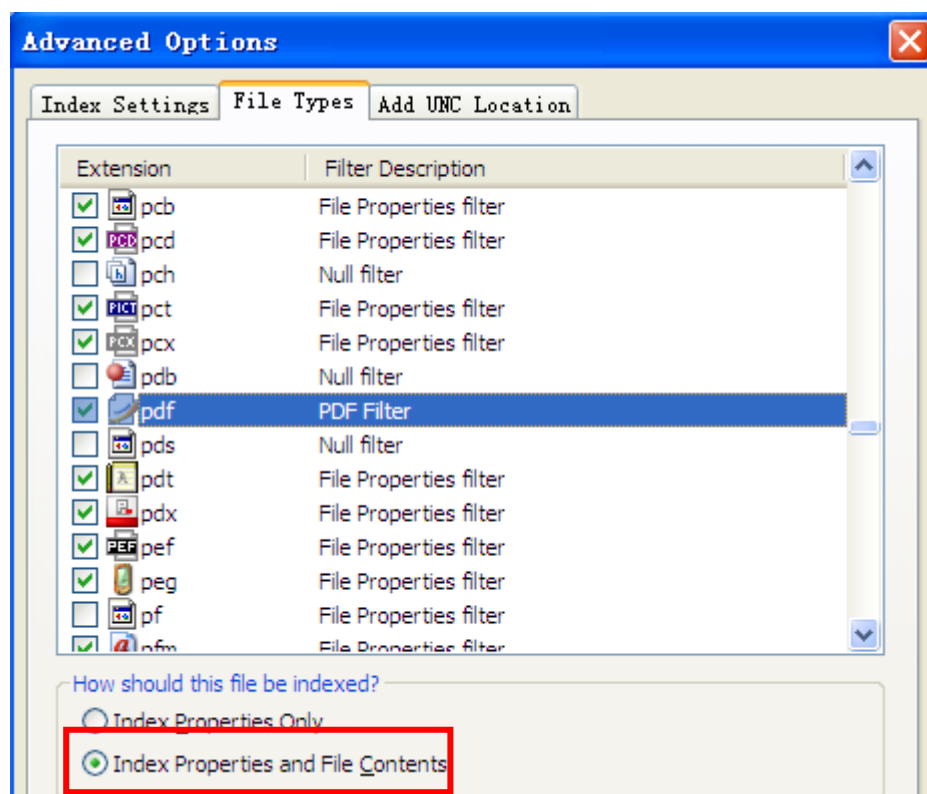


Basic Help

Working with Foxit PDF IFilter in Windows XP and Other Operating Systems

Indexing PDFs

With Foxit PDF IFilter, you can index PDF properties and file contents. But before installing Foxit PDF IFilter, Index Properties Only is selected by default in File Types tab of Advanced Options dialog box.




The Advanced Options dialog box with Foxit PDF IFilter

Setting search locations

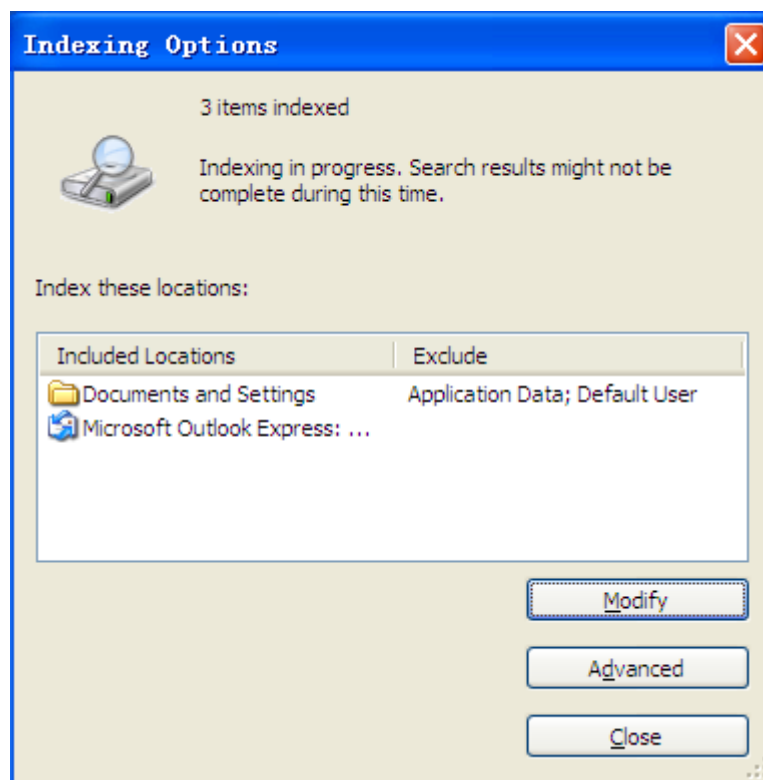
By default, Windows Desktop Search indexes your e-mail files and files saved in the My Documents folder. However, you can have Microsoft Windows Desktop Search index other locations.

To select the locations where PDF files exist and you want to search, do the following:


- Right-click the indexing icon  in the notification area of the Windows taskbar > click Windows Desktop Search Options > click the Modify button.
- In the Indexed Locations dialog box, select the locations that you want, and then click OK.


Indexing selected items

- Once you select the locations and click OK, Windows Desktop Search will start the indexing task.



Indexing in progress

- Or right-click the indexing icon  in the notification area of the Windows taskbar > click Index Now.

To check the indexing process, right-click the indexing icon  in the notification area of the Windows taskbar > click Indexing Status.

Notes:

1. If you just installed Foxit PDF IFilter or the IFilter has just been upgraded, you'll have to index all documents and rebuild index data.
2. Windows Desktop Search updates the index every time that you add or change a file or an e-mail message, because of which, you don't need to re-index PDF files unless the IFilter is reinstalled or updated.

Searching PDFs

After you finish indexing PDF files, you can start a search to find text within PDF files. Also, you can search PDF document properties, such as author, title, etc.

There are two search boxes for you to search PDF files – Deskbar search box and Microsoft Windows Desktop search box in the main window of Windows Desktop Search.

Searching with deskbar search box

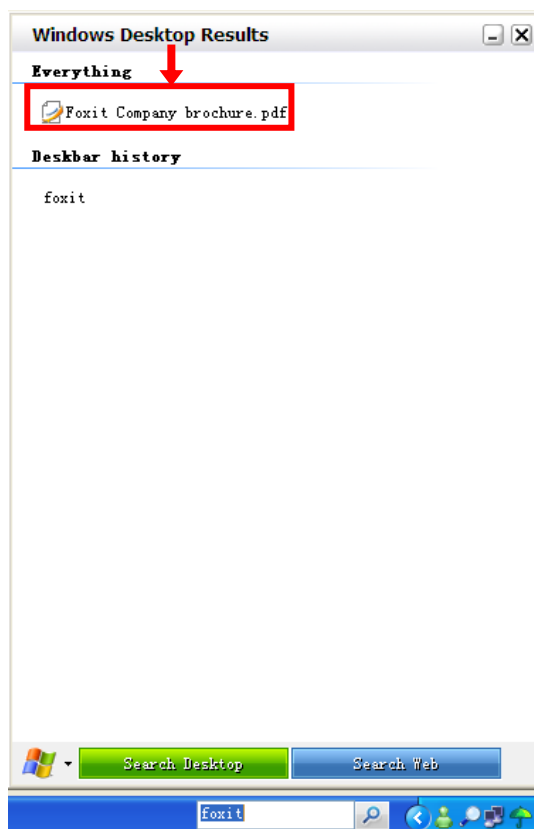
To start a search with deskbar search box, do the following:

- Type your search words in the Deskbar search box.



The search box



- Windows Desktop Results appear immediately as you type the search words.

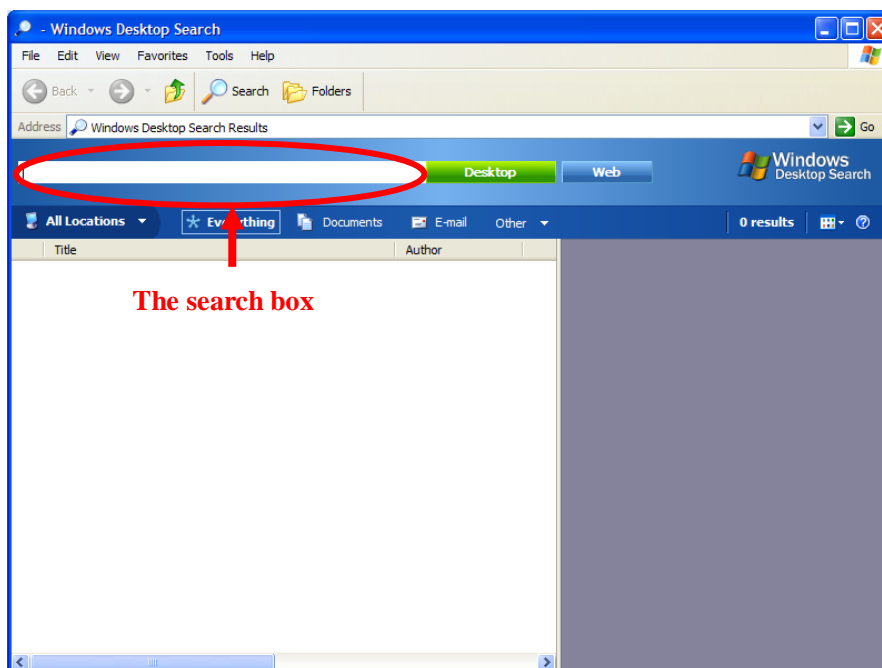


- Click one of the search results to open it with your default PDF Reader.

Searching with Microsoft Windows Desktop search box

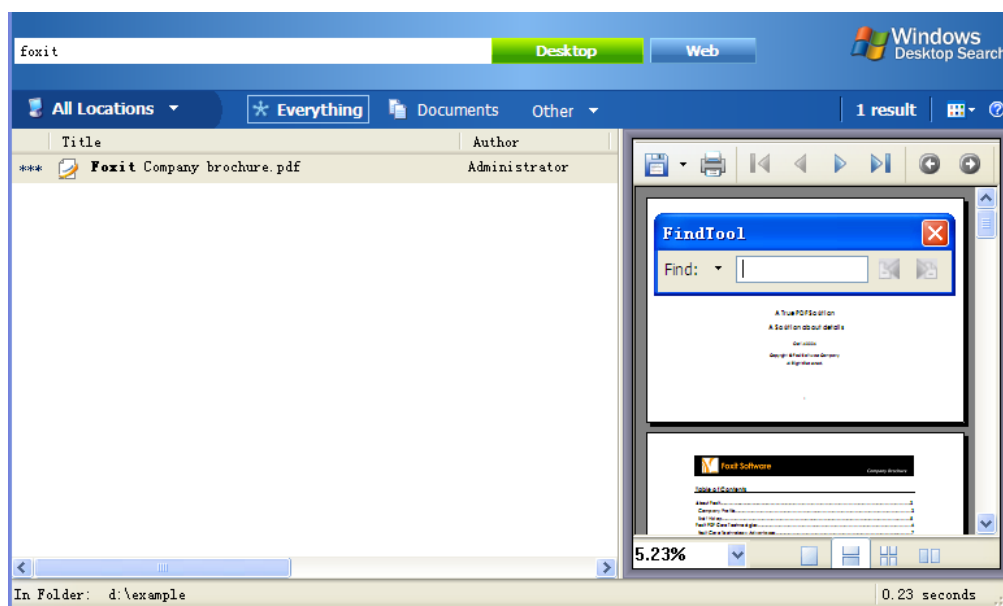
You can type either in the search box on the taskbar or the Microsoft Windows Desktop Search box in the main window of Windows Desktop Search.

- To open the main window of Windows Desktop Search, click the search icon  or select Search Now by right-clicking the indexing icon  in the notification area of the Windows taskbar.



The main window of Windows Desktop Search

- Type your search in the Microsoft Windows Desktop Search box in the main window of Windows Desktop Search > Press Enter to search your desktop, or click Web to search the web.
- Click one of the search results so that you can get a quick view in the preview pane.
- To search text in the preview pane, use Ctrl + F to activate FindTool dialog box.



More Help

For more information on how to work with Windows Desktop Search, please refer to Windows Desktop Search Help included in the product.

Additional Information

Microsoft Developer Support

Foxit PDF IFilter is a Dynamic Link Library (DLL) file that provides a bridge between a Microsoft indexing client and a library of PDF files. It consists of code that understands the PDF Format as well as code that can interface with the indexing client. When an indexing client needs to index content from PDF files, it will look in its registry for an appropriate DLL and will find the Foxit PDF IFilter. Foxit PDF IFilter will return text to the indexing client. The indexing client will then index the results and return the appropriate results to the user.

Language Support

This section lists languages supported by Foxit PDF IFilter 1.0.

- German
- French
- Italian
- English
- Spanish
- Portuguese
- Russian
- Chinese (traditional and simplified)
- Korean
- Japanese
- Arab
- Hebrew

FAQ

1. What is Foxit PDF IFilter?

Foxit PDF IFilter is an application designed to help users index a large amount of PDF documents and then quickly find text within these documents. It acts as a plug-in for full-text search engines that scans documents for text and properties (also called attributes), extracts text from documents, filters out formatting and retaining information about text position, and extracts properties of an entire document.

2. Is Foxit PDF IFilter free?

Foxit PDF IFilter can be used for free on desktop environment. However, users need to purchase licenses when they use Foxit PDF IFilter on server environments.

3. I have a computer with one hyper-threading processor inside. Do I need to buy a license for 2 CPUs for the machine?

We will only count the "real" numbers of processors reported by your system. Please go to Start > Programs > Accessories > System Tools > System Information to check your CPU numbers.

4. What is the Foxit PDF IFilter's role in the PDF indexing process and PDF text search?

Foxit PDF IFilter acts as a plug-in for full-text search engines. A search engine usually works in two steps:

Step 1, the search engine goes through a designated place, e.g. a file folder or a database, and indexes all documents or newly modified documents, including PDF documents, in the background and creates internal data to store the indexing result.

Step 2, a user specifies some keywords he would like to search and the search engine answers the query immediately by looking up the indexing result and responds to the user with all the documents that contain the keywords.

During Step 1, the search engine itself doesn't understand the format of a PDF document. Therefore, it looks in the windows registry for an appropriate PDF IFilter and finds the Foxit PDF IFilter. Foxit PDF IFilter understands the PDF format. It filters out embedded formatting and extracts text from the document and returns text back to the search engine. Further information about IFilter specification can be found on the Microsoft Web site.

5. Do I have to remove Adobe PDF IFilter to install Foxit PDF IFilter?

Yes.

6. How do I verify the correct installation of Foxit PDF IFilter?

Firstly, please check if Foxit PDF IFilter appears in the list of programs on the Program Start Menu after installation.

Secondly, you can download IFilter detection tools to inspect IFilter installation information in the registry, e.g. the filtreg.exe program.

Thirdly, install Windows Desktop Search to verify if the text in PDF files can be found.

7. How do I upgrade Foxit PDF IFilter? Do I need to reboot the machine?

You need to uninstall the old version of Foxit PDF IFilter to install the new one. You do not have to reboot your machine after update.

8. Do I have to rebuild index after updating?

That depends. Foxit PDF IFilter consists of a core layer and an installation layer. When you upgrade the installation layer, you do not need to re-do a full index. But when you upgrade the core layer, you may need to rebuild index on your computer.

9. Why can't I find some PDF files?

There might be three reasons:

First, Foxit PDF IFilter can not index password-protected PDF files.

Second, the PDF file doesn't contain searchable text. You can check if there is searchable text in the PDF file by opening it in Foxit Reader and selecting the text with the Select Text tool. Or you can enter into the Text Viewer mode to select text. If neither method highlights any text, it is likely that the PDF contains a source image of text which Foxit PDF IFilter can not index.

Third, the PDF file doesn't contain text that is properly encoded. If the file contains searchable text, yet you cannot find the text with Find Tool in Foxit Reader, then the text may not be properly encoded.

10. Why can't Foxit PDF IFilter work after Microsoft updates? Do I have to re-install it?

If you installed the Foxit PDF IFilter on your search server, the IFilter does not work after you install a Microsoft update. It is because that the upgrade program automatically overwrites the registry value of Foxit PDF IFilter with that of Adobe PDF IFilter.

To make it work again, you must reinstall Foxit PDF IFilter. In this case, you do not have to uninstall IFilter. You can just run the Foxit IFilter MSI program again and select the repair function.

In addition, we will contact Microsoft to address this issue shortly.

Contact Us

Feel free to contact us should you need any information or have any problems with our products. We are always here, ready to serve you better.

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408-307-9358 (8AM-5PM PST Monday - Friday)

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